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# A perspective on the scientific trajectory of SIROCCO during 30 years

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# When everything begins

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1st SIROCCO, Carleton University, Ottawa, Canada, May 18-20, 1994

## **Scientific Program**

- Sense of Direction: Formal Definitions and Properties
- Trade-off Between Computational Power and Common Knowledge in Anonymous Rings
- Orientation of Distributed Networks: Graph- and Group- Theoretic Modelling
- Labeled versus Unlabeled Distributed Cayley Networks
- Classifying Anonymous Networks
- Compact Routing Methods
- Interval Labeling Scheme for Chordal Rings
- Fault-Tolerant Compact Routing Based on Reduced Structural Information in Wormhole-Switching Based Networks
- The Buffer Potential of a Network
- Path Layout in ATM Networks



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# What SIROCCO is about?

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- ❖ SIROCCO is devoted to the study of the *interplay* between **structural knowledge, communication, and computing** in decentralized systems of multiple communicating entities.
- ❖ Special emphasis is given to **innovative** approaches leading to better understanding of the *relationship* between **computing and communication**.

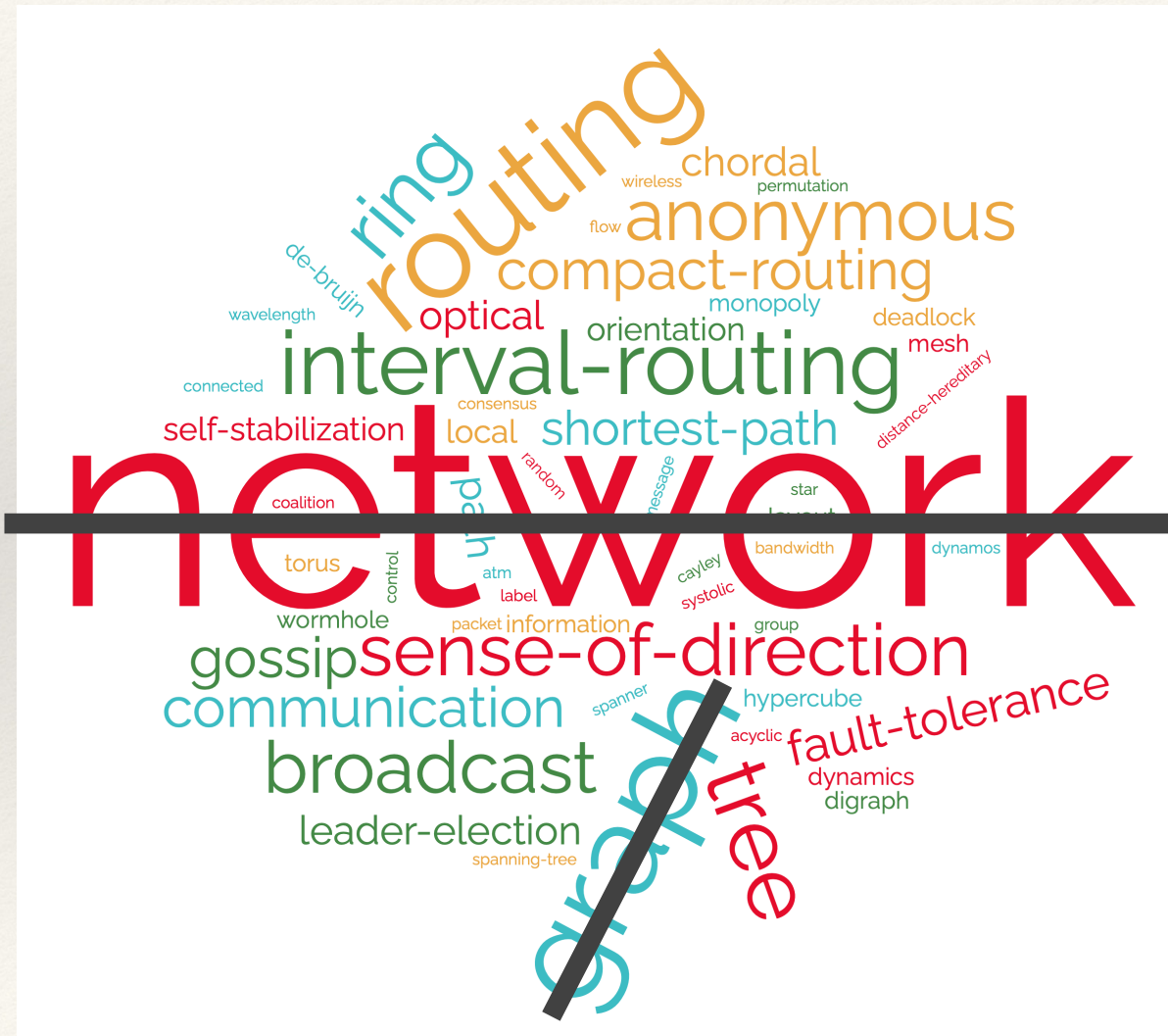
# Scientific Trajectory

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# The Infancy 1994-2000

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Ottawa, Olympia, Siena, Ascona, Amalfi, Lacanau, L'Aquila



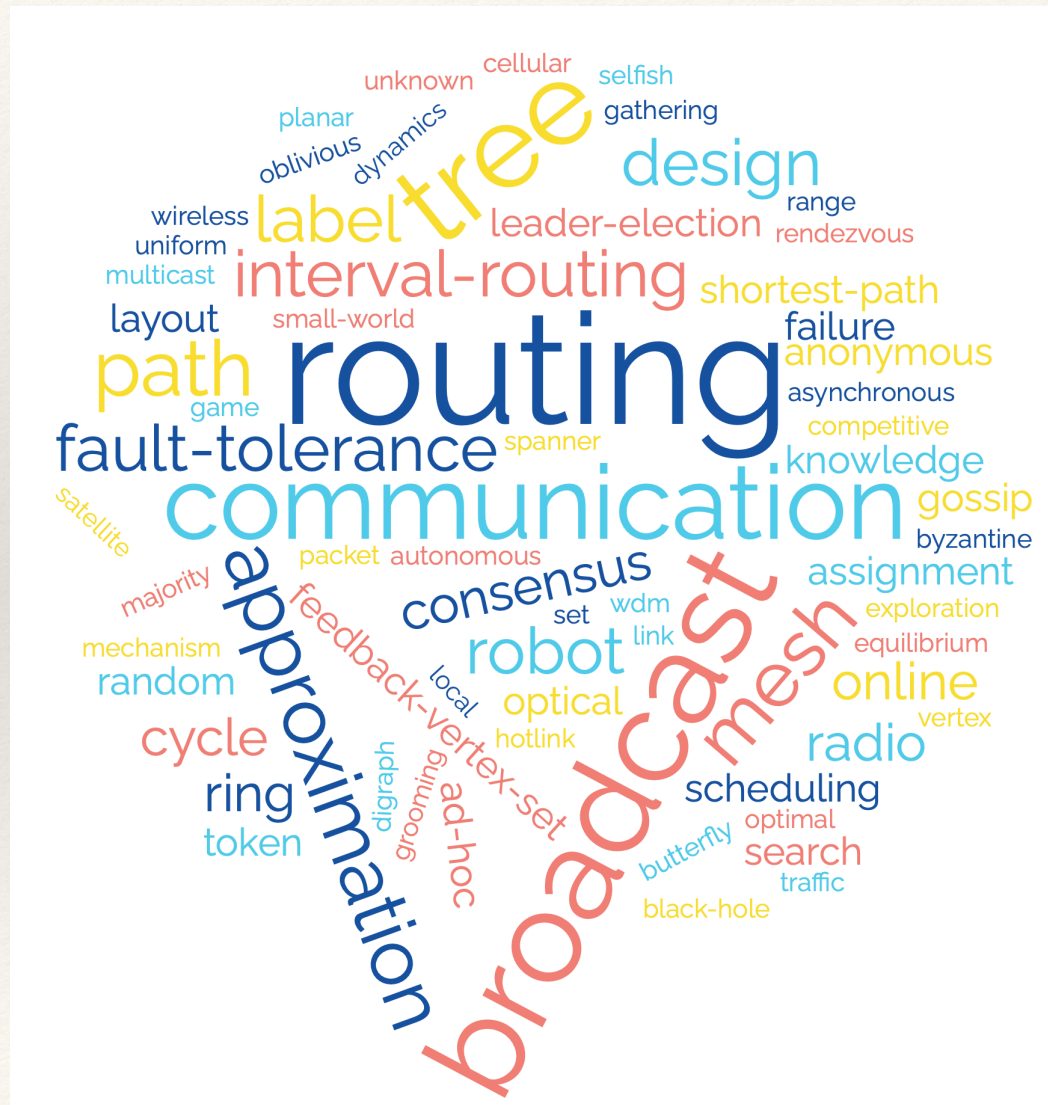


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# Childhood 2001-2005

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Val de Nuria, Andros, Umeå, Smolenice, Mont Saint-Michel

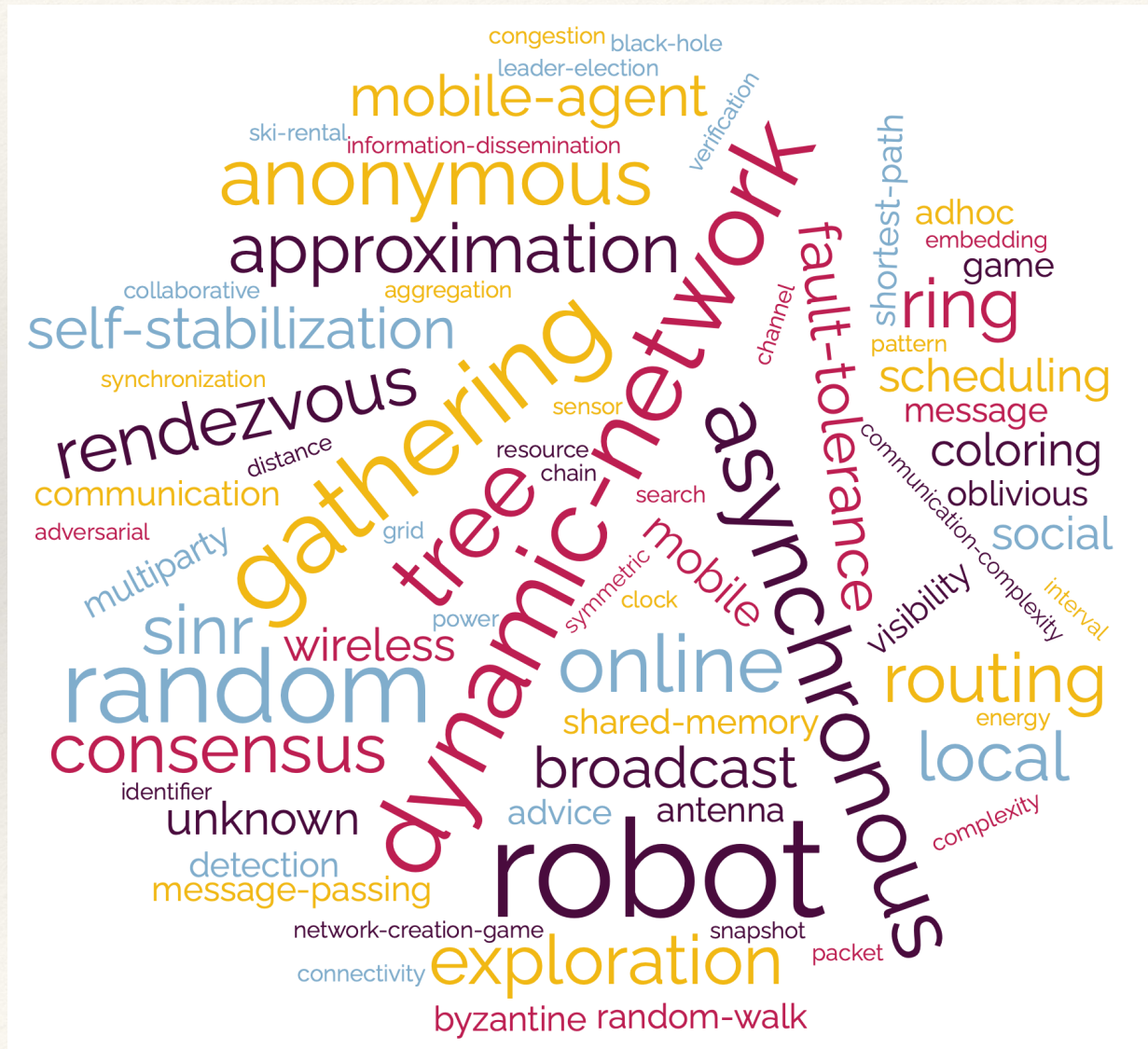






# Young Adulthood 2011-2015

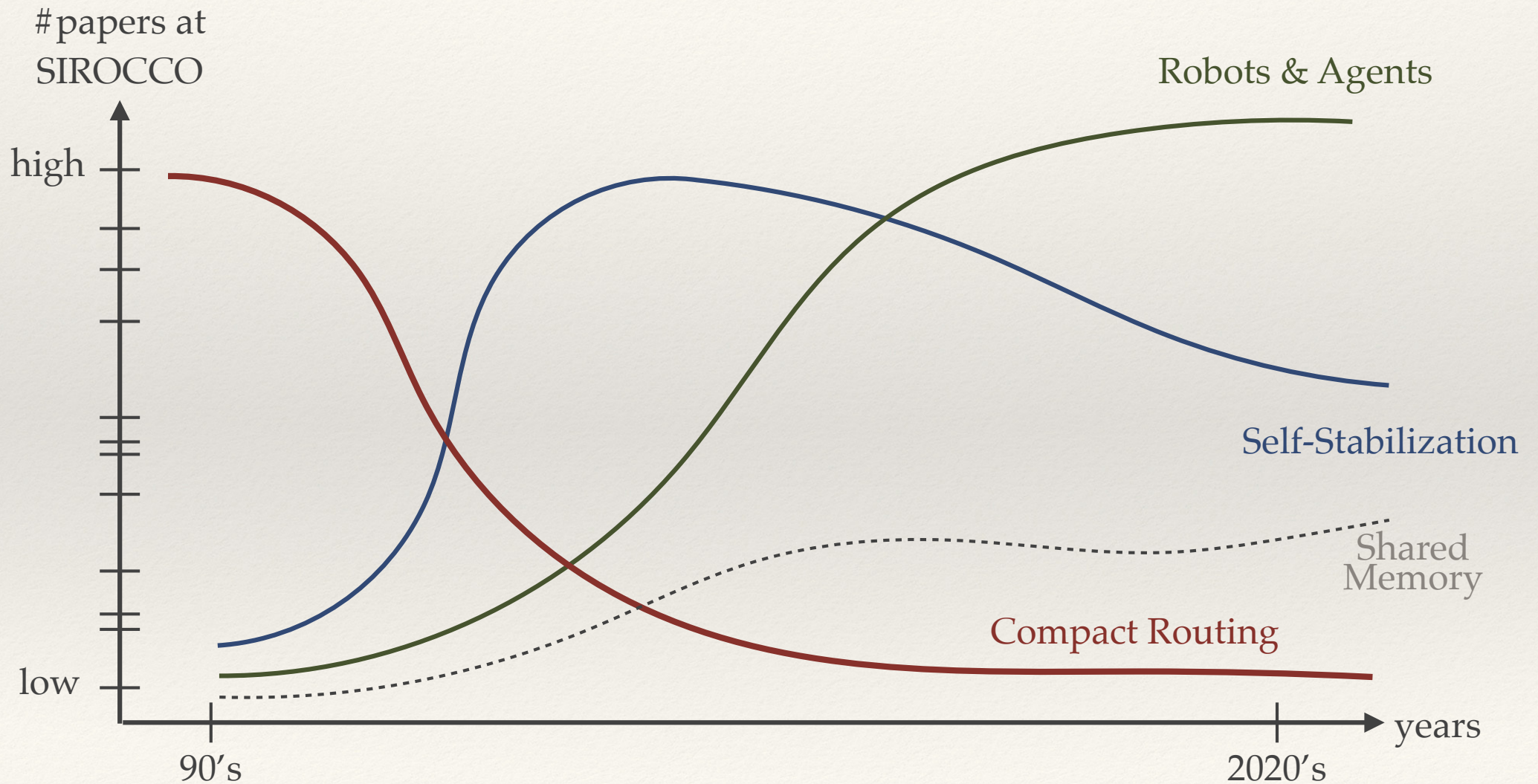
Gdansk, Reykjavik, Ischia, Takayama, Montserrat





# Trajectory vs. Specification

# Innovation



# Structural Knowledge vs. Efficiency



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# Conclusion

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- ❖ SIROCCO "globally support" innovation leading to better understanding of the *relationship* between **computing** and **communication**.
- ❖ SIROCCO "globally support" the study of the *interplay* between **structural knowledge, communication, and computing**
- ❖ But it is not entirely clear that this is what is characterizing SIROCCO now...

Thank you!